CLAIMS

What is claimed is:

1.   A remote sensor device comprising:

a sensor module adapted to sense one or more event types;

a storage module adapted to store a voice message including a deployment location description of the device; and

a transmitter adapted to wirelessly transmit the voice message in response to the sensor being triggered.

2.   The device of claim 1 wherein the device is deployed by an operator, and the voice message further includes the operator's name.

3.   The device of claim 1 further comprising:

a processor operatively coupled to the transmitter and the storage module, and adapted to control operation of the device.

4.   The device of claim 3 wherein the processor can command the transmitter to transmit in analog and digital.

5.   The device of claim 3 wherein the processor is further adapted to carry out a power conservation mode where one or more power consuming components of the device are commanded to a sleep or low power mode during periods of inactivity.

6.   The device of claim 3 further comprising:

a microphone operatively coupled to an amplifier thereby enabling the voice message to be captured and converted into an electronic signal; and

a switch operatively coupled to the processor, and adapted to enable a voice message recording session.

7.   The device of claim 1 further comprising:

a microphone operatively coupled to an amplifier thereby enabling real-time ambient sound to be captured and converted into an electronic signal;

4   wherein the transmitter is further adapted to wirelessly transmit the electronic

5   signal.

1   8.   The device of claim 1 further comprising:

2   a digitizer adapted to receive a captured voice message and to convert it to a digital

3   signal for storage in the storage module.

1   9.   The device of claim 1 further comprising:

2   a processor that is adapted to determine a confidence level associated with a sensor

3   signal provided by the sensor module.

1   10.   The device of claim 9 wherein the sensor signal is compared to pre-defined

2   reference to determine its confidence level.

1   11.   The device of claim 9 wherein in response to the sensor signal having an

2   acceptable confidence level, the processor is further adapted to command transmission of

3   the stored voice message in at least one of analog or digital using the transmitter.

1   12.   The device of claim 9 wherein the processor is further adapted to command

2   transmission of a pre-stored message indicative of the confidence level.

1   13.   The device of claim 1 wherein the sensor module employs at least one of

2   IR, acoustic, radar, electro-static, and seismic sensing capability.

1   14.   A method for remotely sensing an event, the method comprising:

2   in response to no sensor being triggered, continuing monitoring for at least a set

3   period of time; and

4   in response to determining that a sensor has been triggered, transmitting a recorded

5   message including a verbal description of the sensor location.

1   15.   The method of claim 14 wherein the method includes a set-up mode

2   comprising:

3   receiving an activation signal to initiate the set-up mode;

4   enabling a voice message recording session; and

5   recording the message including the verbal description of the sensor location.

1   16.   The method of claim 15 wherein an operator initiates the set-up mode, and
2   the verbal message further includes the operator's name.

1   17.   The method of claim 14 wherein in response to the sensor triggering, the
2   sensor outputs a sensor signal, the method further comprising:
3   transmitting one or more pre-recorded messages indicative of a confidence level
4   associated with the sensor signal.

1   18.   The method of claim 14 further comprising:
2   transmitting real-time sound from the area for a period of time relative to a sensed
3   event.

1   19.   A method for remotely sensing an event with a sensor configured with a
2   voice locator message, the method comprising:
3   identifying a location to be monitored;
4   enabling a sensor voice recording session; and
5   announcing at least one of operator name and sensor location, thereby creating a
6   recorded voice message for transmission when the sensor triggers.

1   20.   The method of claim 19 wherein a number of sensors are deployed in an
2   area, and each sensor transmits on a common channel, the method further comprising:
3   tuning a remote receiver to the common channel, thereby enabling a
4   communication link between the remote receiver and the area.